

## INTERNATIONAL SEARCH REPORT

International application No.

PCT/US01/40096

**A. CLASSIFICATION OF SUBJECT MATTER**

IPC(7) : G01N 33/573; C12Q 1/34, 1/37

US CL : 425/7.4, 18, 23, 24

According to International Patent Classification (IPC) or to both national classification and IPC

**B. FIELDS SEARCHED**

Minimum documentation searched (classification system followed by classification symbols)

U.S. : 425/7.4, 18, 23, 24

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched  
~~NONE~~

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

Please See Extra Sheet.

**C. DOCUMENTS CONSIDERED TO BE RELEVANT**

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X Y	PEVNITSKY et al. Immunological Monitoring Of Patients With Cystic Fibrosis: Value of Different Laboratory Findings. Vestnik Rossiiskoi Akademii Meditsinskikh Nauk. 2000, Vol. 5, pages 40-46, see English Abstract page 46.	1-4, 8-13, 16, 18 5-7, 14, 15, 17, 19, 20
X Y	ELBORN et al. Host Inflammatory Responses to First Isolation of Pseudomonas aeruginosa From Sputum in Cystic Fibrosis. Pediatric Pulmonology. 1993, Vol. 15, Pages 287-291, see entire document.	1-4, 8-13, 16, 18 5-7, 14, 15, 17, 19, 20
X Y	KUDO et al. Activity and Inhibitors in Sputum from Chronic Respiratory Diseases. Therapeutic Research. 1988, Vol. 8, No. 2, pages 526-533, see English Abstract on page 533.	1-5, 8-14, 16, 18 6, 7, 15, 17

☒ Further documents are listed in the continuation of Box C.
 ☐ See patent family annex.

* Special categories of cited documents:	"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
"A" document defining the general state of the art which is not considered to be of particular relevance	"X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
"E" earlier document published on or after the international filing date	"Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art
"L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)	"G" document member of the same patent family
"O" document referring to an oral disclosure, use, exhibition or other means	
"P" document published prior to the international filing date but later than the priority date claimed	

Date of the actual completion of the international search

10 JULY 2001

Date of mailing of the international search report

16 APR 2002

 Name and mailing address of the ISA/US  
 Commissioner of Patents and Trademarks  
 Box PCT  
 Washington, D.C. 20231

Facsimile No. (703) 305-3230

 Authorized officer  
 PATRICIA A. DUFFY

Telephone No. (703) 308-0196

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## C (Continuation). DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X Y	✓ KUDO, Y. Elastolytic Activity and Inhibitors in Sputum from Chronic Respiratory Diseases. Tokyo Joshi Ika Daigaku Zasshi. 1991, Vol. 61, No. 2, pages 124-132, see English abstract on page 124.	1-5, 8-14, 16, 18 6, 7, 15, 17
X,P	✓ CROOKS et al. Bronchial inflammation in acute bacterial exacerbations of chronic bronchitis: the role of leukotriene B <sub>4</sub> . Eur. Respir. J. 2000. Vol. 15, pages 274-280, see entire document.	1-20
X, P	✓ TSANG et al. Sputum Elastase in Steady-State Bronchiectasis. Chest. February 2000, Vol. 117, pages 420-426, see entire document.	1-18
A	✓ HILL et al. The Interrelationship of Sputum Inflammatory Markers in Patients with Chronic Bronchitis. Am. J. Respir. Crit. Care. Med. 1999, Vol. 160, pages 893-898, see entire document.	1-18
X Y	✓ PUKHALSKY et al. Inflammatory markers in cystic fibrosis patients with lung Pseudomonas aeruginosa infection. Mediators of Inflammation. 1999, Vol. 8, pages 159-167, see entire document.	1-4, 8-13, 16, 18 5-7, 14, 15, 17

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